Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 07 Sep 2023 until 23:59 on Friday 08 Sep 2023

Forecast Issued on Wednesday 06 Sep 2023 at 16:23

Confidence: Very high confidence in warm or hot conditions continuing for the remainder of the week and into the weekend. Moderate for details of morning mist, fog and low cloud. Much lower for the timings and details of any thundery showers later in the week into the weekend.

Headline for Thursday 07 Sep 2023: Early low cloud, mist and fog soon clearing to leave another fine day, with sunny spells. Probably more cloud around compared to Wednesday. Feeling warm and humid too.

Mountain weather hazards on Thursday 07 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
		MIST					
Partly cloudy (night)	Cloudy	Mist	Sunny intervals	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	10%	<05%	<05%

Forecast for Thursday 07 Sep 2023

Weather: Low cloud and fog may drift inland off the North Sea overnight and early morning, although should readily lift and clear after sunrise to leave a fine day, with sunny spells. Low risk of an isolated shower or thunderstorm breaking out in the afternoon. Feeling rather warm and humid too. Any low cloud never too far away from North Sea coastal areas, which may drift back inland after dark.

Chance of cloud-free hill tops above 600m: 40% at first, increasing to mostly 100% from mid-morning.

Low cloud and visibility: Cloud bases lowering to 200-300m overnight and early morning, lifting to above the summits by mid-morning. Visibility will be locally poor in low cloud and fog first thing, improving to become mostly good or very good by mid-morning.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Thursday 07 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/12 SE	11/14 SE	12/18 E	14/20 E	13/18 E	10/15 E	9/14 E	8/11 E	6/8 E
300	5/10 E	4/7 SE	6/12 NE	6/10 NE	10/14 E	8/12 E	5/11 E	6/11 NE	5/7 NE
Valley	7/10 E	7/11 E	11/20 E	10/20 E	9/15 E	8/14 E	5/14 E	8/13 E	7/10 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	21/19	20/19	20/17	20/17	20/18	21/20	20/19	18/17	18/17
300	21/21	20/21	20/20	21/21	23/23	24/24	22/23	19/19	19/19
Valley	21/20	20/20	20/19	22/21	24/24	25/25	22/23	20/19	19/18
Freezing Level*	3700m	3700m	3700m	3800m	3700m	3500m	3300m	3200m	3200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling hotter than on Wednesday due to light winds. Moderate to High levels of UV are likely through the midday hours, so sun protection and adequate hydration is vital.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 06 Sep 2023	0mm	0mm	0mm

Forecast for Friday 08 Sep 2023

Weather: Low cloud, mist and fog will drift back in from off the North Sea overnight, which will readily burn back to coastal areas by mid-morning. Otherwise, another fine and dry day, with sunny spells. Feeling very warm and humid too. Low cloud once again drifting inland from the North Sea after dark.

Maximum wind: East southeasterly 10-15mph, becoming west southwesterly at 5-10mph by midday.

Chance of cloud-free hill tops above 600m: 60% first thing, increasing to mostly 100% by mid-morning.

Low cloud and visibility: Cloud bases down to 200-300m overnight and early morning, lifting to above the summits by mid-morning. Visibility will be locally poor in low cloud, before improving to be mostly good or very good by the afternoon, although probably a little hazy.

Temperature: **Valleys:** Plus 14 Celsius, becoming Plus 26 Celsius.
At 600m: Plus 17 Celsius, becoming Plus 22 Celsius.
Freezing level: Above the summits.

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